

FIGURE 2A

A a all and are as at B be but by
C D do E F for from G go H have
he I I if in is it J K L M me my
N not no O of on or out P Q R
S say she so T that the they this to
U up V W was we which who with
X Y you Z 1 2 3 4 5 6 7 8 9 0

FIGURE 2B

A a act add all am and are as at B be but by C company control D dis do E end except
 F for from G go H have he I I if in into is it J K L M me my
 N not no O of on or out P Q R remember S say she so
 T that the they to U un up V W was we which who will with X Y you Z
 1 2 3 4 5 6 7 8 9 0

FIGURE 3A

AdlnrstBeilouyCeiom
pnv rDeioEnvx Feilor
GeilorHeiou Ifntvst
JKLeio Meioy Neioo
Ofnru Peilors Remio
Sehilotuy Tehhhioru
Unp Vi Wehhio XYZ
1 2 3 4 5 6 7 8 9 0

FIGURE 3B

A c d f g all m and are as at B be ilor but by C ehilo[mp ntv] ruy
 Deidoruy Ednvxy Feil for from u Gehilngoruy H heiouy
 I if in [tv] is it J K Leiou M meiou my N ei not nou
 O of on or out P ehilorsuy Q Re[m]hiou
 Sc e she i l so p q t u w y T e that the they i toruy Un ups Veio
 W we which who i or XYZ 1 2 3 4 5 6 7 8 9 0

FIGURE 3C

A a act add after again all am and are as at away B back be big black both bring but by
 C can certain child city close could [come company consider control convert] cry cut
 D day develop differ do drive during dynamic E each educate end even except eye
 F far few find fly for from full G game get ghost give go great gun gyro
 H have he high how human hydro I I if in [into invent] is it J just K
 know L last left like long luck lyric M may me might more must my
 N nation new night not no number O of on one only or our out
 P part people phone place pick point program put Q question
 R rather real [remember] rhythm right room run rye
 S say school see she since slow small snake so space square still such switch system
 T take tell that the they time to try turn two type U un up use V value very view voice
 W was we which who with would write X x-ray Y you Z zero 1 2 3 4 5 6 7 8 9 0

FIGURE 4

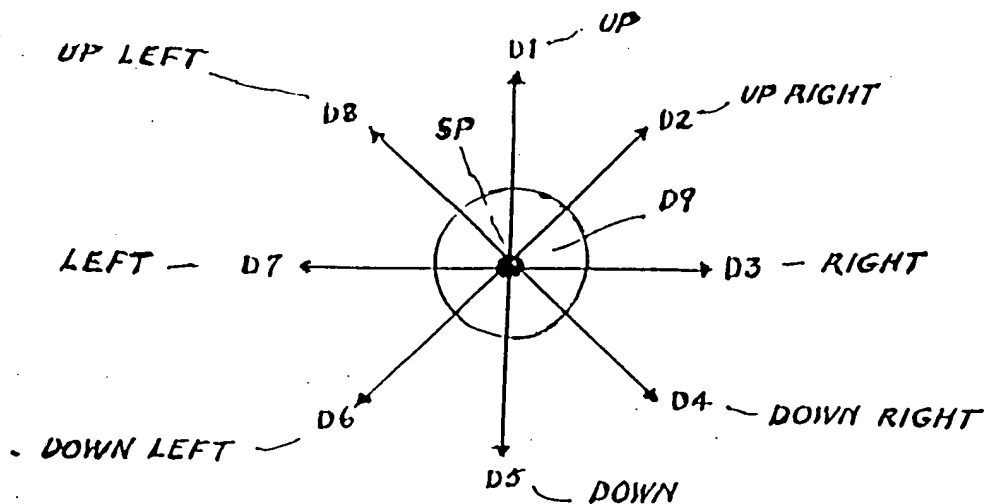


FIGURE 5A

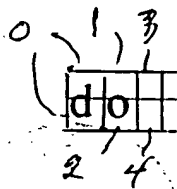


FIGURE 5B

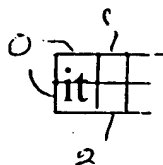


FIGURE 5C

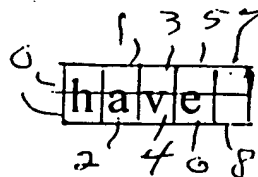


FIGURE 6

Direction.	D1	D2	D3	D4	D5	D6	D7	D8	D0
SLS	Cap	CL	V1	V2	Ltr	ltrCap	LtrSx	CapSx	
SLS or SDEA	abc/a	def/e	ghi/i	jkl/l	mno/o	pqr/r:	stu/u	vwxyz/y	
VFW	s	ed	ing	er	est	ly	ness	Sx	
Hop (VFW)	‘.’	‘,’	‘;’	‘:’	‘?’	‘!’	Cpd	Sx	Cp
Digit	digit	Ch1	Ch2	1 st	w 1 st	teen	ty	Space	
CW or SD	b	c	d	f	g	h	j	k	
CCW or EA	m	n	p	q	s	t	vw	xz	

FIGURE 7A

	D1	D2	D3	D4	D5	D6	D7	Code
be		been	being					20en
do	does	did	doing	doer	done			0es1id60ne
go	goes	went	going		gone			0es22went60ne
have	has	had	having					2s2d
he	his	him	himself					1is1im1imself
if	if a/an	if the	if that					170
it	its	itself						20self
say	says	said	saying					21id
she	her	hers	herself					3her3hers3herself
they	their	theirs	them	s-es				1ir1irs1mlms-ves
we	our	ours	us	o-es				2our2ours2us2o-s
with	within	without						0in0out
who	whose	whom	whoever					0se0m0ever
you	your	yours	yourself	r-es				0r0rs0rsel0rs-es

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FIGURE 7B

	D1	D2	D3	D4	D5	D6	D7	Code
that	than	this	those					175
the	then	there	these					176
which	what	when	where					177

FIGURE 7C

	D1	D2	D3	D4	D5	D6	D7	D8	Code
one	1	`	!	1 st	first	eleven	hundred	Space	181
two	2	_	@	2 nd	second	twelve	twenty	Tab	182
three	3		#	3 rd	third	thirteen	thirty	Ret	183
four	4		\$	4 th	fourth	fourteen	forty		184
five	5	'	%	5 th	fifth	fifteen	fifty		185
six	6	/	^	6 th	sixth	sixteen	sixty		186
seven	7	\	&	7 th	seventh	seventeen	seventy		187
eight	8		0	8 th	eighth	eighteen	eighty		188
nine	9	{	(9 th	nineth	nineteen	ninety		189
ten	0	})	10 th	tenth]	190

FIGURE 8A

Al	Ble	Ce	Ed	ee	en	er	ess	est
Hood	lc	ing	ion	ish	ism	ist		
ity	ive	ize	Less	like	ly	Ment		
N	nce	ness	nt	Or	our	S	ship	
Teen	th	ty	Ward	Y				
Ace	age	ail	ain	ale	all	and	ard	
are	atch	ate	Ead	eal	ear	ell	end	
Ice	ide	ight	ile	ill	ind	ine	ite	
Old	ole	one	ore	ose	ound	Ure		

FIGURE 8B

D1	D2	D3	D4	D5	D6	D7	D8
s	ly	al	ally	ic	lty	ness	y

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FIGURE 7D

	D1	D2	D3	D4	D5	D6	D7	Code
Stem	s	ed	ing	er	est	ly	ness	128 /0
				or				130
					ion	ive		132
				or	ion	ive		134
					ment	mental		136
				or	ment	mental		138
					nce	nt		140
				or	nce	nt		142
					ncy	nt		144
				or	ncy	nt		146
					al	ally		150
				ic	ical	ically		152
					ful	fully		154
			ful	fully	less	lessly		156
					ous	ously		158
					ce	cy		160
					ish	hood		162
					erly	ern	ward	164
					ism	ist	ize	166
					teen	th	ty	168
Preps	a/an	the	that	this				170
Nouns	is/are	was/were	has/have	had	having			172
any	how	one	thing	time	way	where		174

20200606095600

[illegible]

face lace mace pace race
cage gage page rage sage wage
bail fail hail mail nail pail sail tail wail vail
gain lain main pain rain wain vain
bale dale gale hale male pale sale tale vale
ball call fall gall hall mall pall tall wall
band hand land sand wand
bard card hard lard pard ward
bare care dare fare hare mare rate ware
batch catch hatch latch match patch watch
hate date fate gate hate late mate rate sate
bead dead head lead mead read
deal heal meal peal real seal teal weal veal zeal
bear dear fear gear hear lear near pear rear sear tear wear
bell dell fell hell jell sell tell well
bend fend lend mend pend rend send tend vend
dice lice mice nice rice vice
bide hide ride side tide wide
bight fight light might night right sight tight
bile file mile pile rile tile wile vile
bill dill fill gill hill kill mill pill till will
bind find kind mind wind
dine fine line mine nine pine sine wine vine
bite cite kite lite mite rite site
bold cold fold gold hold mold sold told
bone cone done gone lone none some tone
bore core fore gore lore more pore sore tore wore
dose hose lose nose pose rose
bound found hound mound pound round sound wound
cure jure lure pure sure

12)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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12)

B	A B baby C back bacteria D bad
b	badge F baffle G bag baggage
I	bail bait L balance bald ball ballot
M	bamboo N ban band bandit bang
b	bank bankrupt banner banquet banter
R	bar barbeque barber bare bargain
b	barge barley bark barn baron barrel
S	base baseball bash basic basis
b	basket bass bassinets bassoon bastion
T	bat batch bath baton batter battle
U	bauble W bawd bowl Y bay bayonet

12.

BA B babe baby baboon **C** bacteria
D badge **F** baffle **G** bagel baggage
I bail bait **L** balance bald ball balloon
ballot **M** bamboo **N** band bandit
bang bankrupt banner banquet banter
R barb barbeque barber bare bargain
barge barley bark barn baron barrel
barren barrier barter **S** baseball bash
basket bass bassinet basson bastion
T batch bath baton batten batter battle
U bauble **W** bawd bawl **Y** bay bayonet

FIGURE 10

12

back backs backed backing backer
B **A** **B** babble babe baby baboon
C baccalaureate baccarat bacchanal bachelor bacillus backgammon backlog
 bacon bacteria
D bad bade badge badminton
F baffle
G bag bagel baggage baggy bagpipe
I bail bailiff bailiwick bait
K bake
L balance balcony bald bale balk ball ballad ballast ballet ballistic balloon
 ballot ballyhoo balm baloney balsa balsam
M bamboo
N ban banal banana band bandage bandbox bandit bandy bane bang bangle
 banish banister banjo bank bankrupt banner banquet banshee bantam
 banter banzai
P baptism Baptist baptize
R bar barb barbarian barbaric barbeque barbell barber barbiturate bard bare
 bargain barge baritone barium barley bark barn barnacle barometer baron
 baroque barracks barracuda barrage barrel barren barricade barrier barrister
 barrow bartender barter
S base baseball bash basic basin basis bask basket bass bassinet basso
 bassoon bastard bast baste bastille bastion
T bat batch bath bathe bathos baton battalion batten batter battery battle
U bauble
W bawd bawdy bawl
Y bay bayonet bayou
Z bazaar bazooka

FIGURE 11A

BAXXBXCbabble0babe0baby0baboon0CXbaccalaureate0baccarat0bacchanal0bachelo
 r0bacillus0backgammon0backlog0bacon0bacteria0DXbad0bade0badge0badminton0FX
 baffle0GXbag0bagel0baggage0baggy0bagpipe0IXbail0bailiff0bailiwick0bait0KXbake0
 LXbalance0balcony0bald0bale0balk0ball0ballad0ballast0ballet0ballistic0balloon0ballot
 0ballyhoo0balm0baloney0balsa0balsamMXbamboo0NXban0banal0banana0band0band
 age0bandbox0bandit0bandy0bane0bang0bangle0banish0banister0banjo0bank0bankrupt
 0banner0banquet0banshee0bantam0banter0banzai0PXbaptism0baptist0baptize0RXbar0
 barb0barbarian0barbaric0barbeque0barbell0barber0barbiturate0bard0bare0bargain0barg
 e0baritone0barium0barley0bark0barn0barnacle0barometer0baron0baroque0barracks0ba
 rracuda0barrage0barrel0barren0barricade0barrier0barrister0barrow0bartender0barter0S
 Xbase0baseball0bash0basic0basin0basis0bask0basket0bass0bassinet0basso0bassoon0b
 astard0bast0baste0bastille0bastion0TXbat0batch0bath0bathe0bathos0baton0battalion0b
 atten0batter0battery0battle0UXbauble0WXbawd0bawdy0bawl)YXbay0bayonet0bayou
 0ZXbazaar0bazooka0BEXXFXbefore0

[illegible]

The logo is a circular seal. The outer ring contains the text "AMERICAN SOCIETY OF HUMAN GENETICS" at the top and "FOUNDED 1963" at the bottom. The center of the seal features a stylized graphic of a human figure with arms raised, flanked by the letters "A" and "S" on the left and "H" and "G" on the right, forming the acronym "ASHG".

BAB **B** babble **E** babe **Y** baby
O baboon
BAC **C** baccalaureate baccarat
bacchanal **H** bachelor **I** bacillus
K backgammon backlog **O** bacon
T bacteria

BAS E base baseball H bash
I basic basin basis K bask
basket S bass bassinet basso
bassoon T bastardy bast baste
bastille bastion
BAT bat C batch H bath bathe
bathos O baton T battalion batten
batter battery battle
BAU **B** bauble **D** baud **X** bauxite